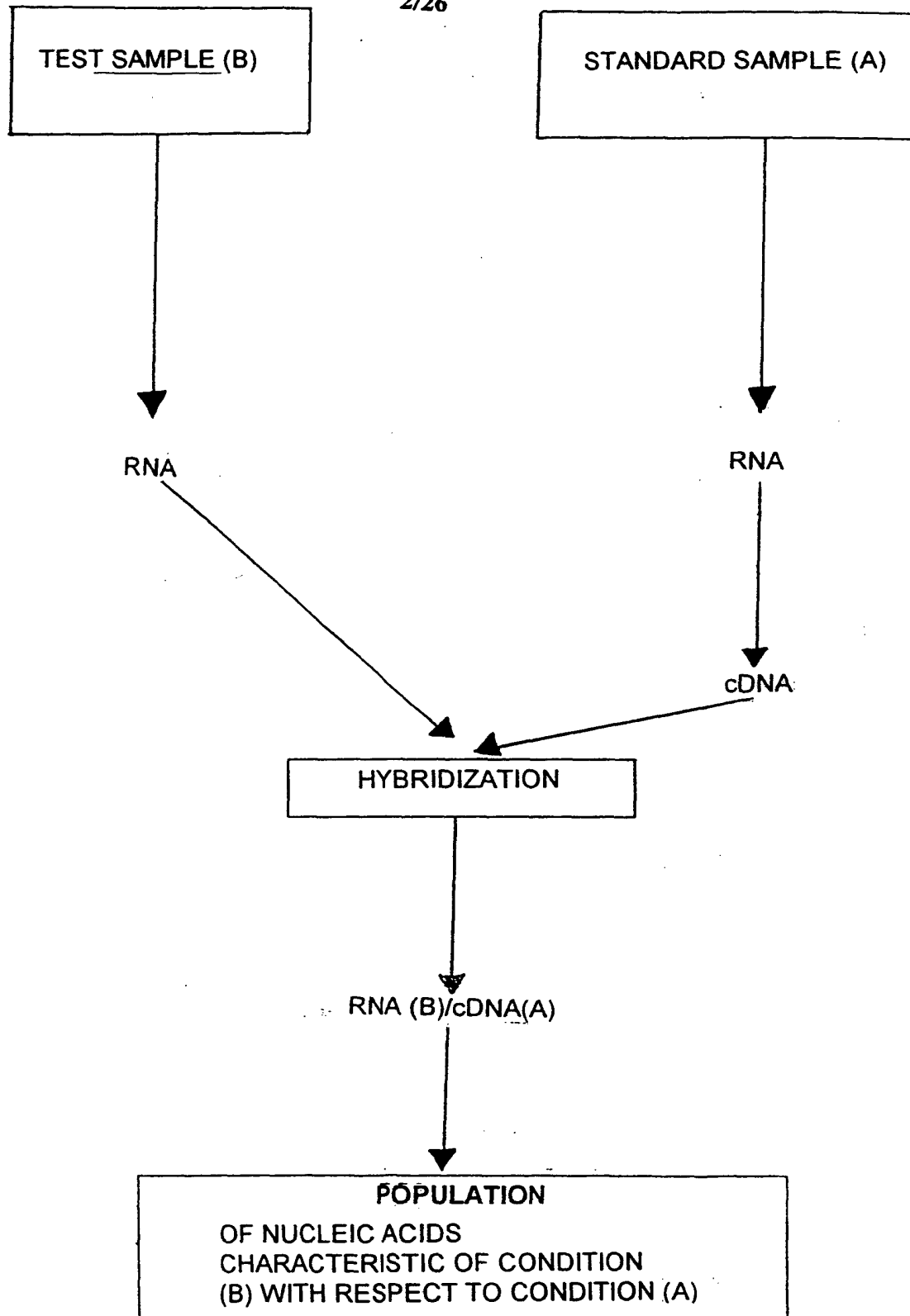
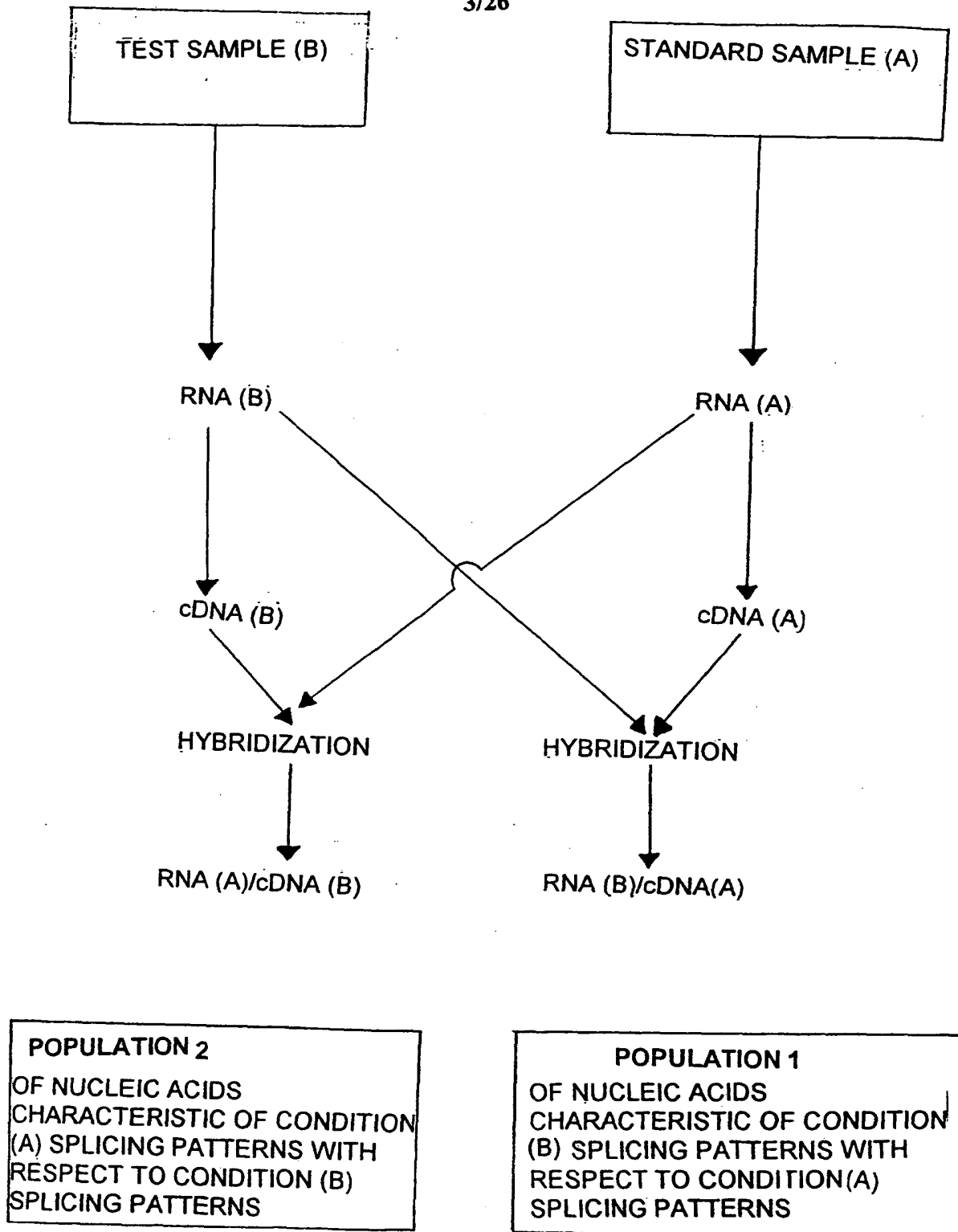
FIGURE 1A

2/26

**FIGURE 1B**

3/26

**FIGURE 1C**

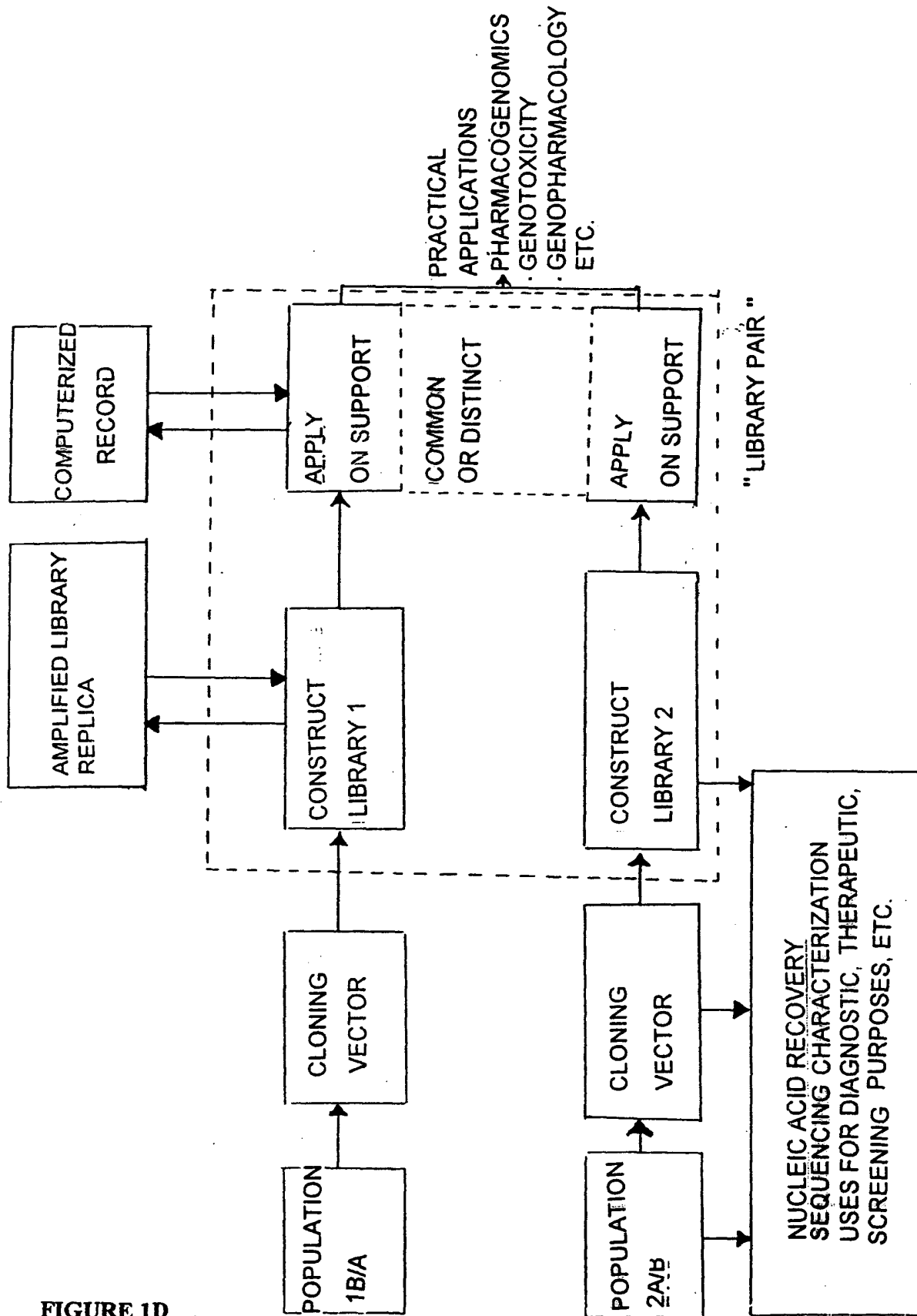
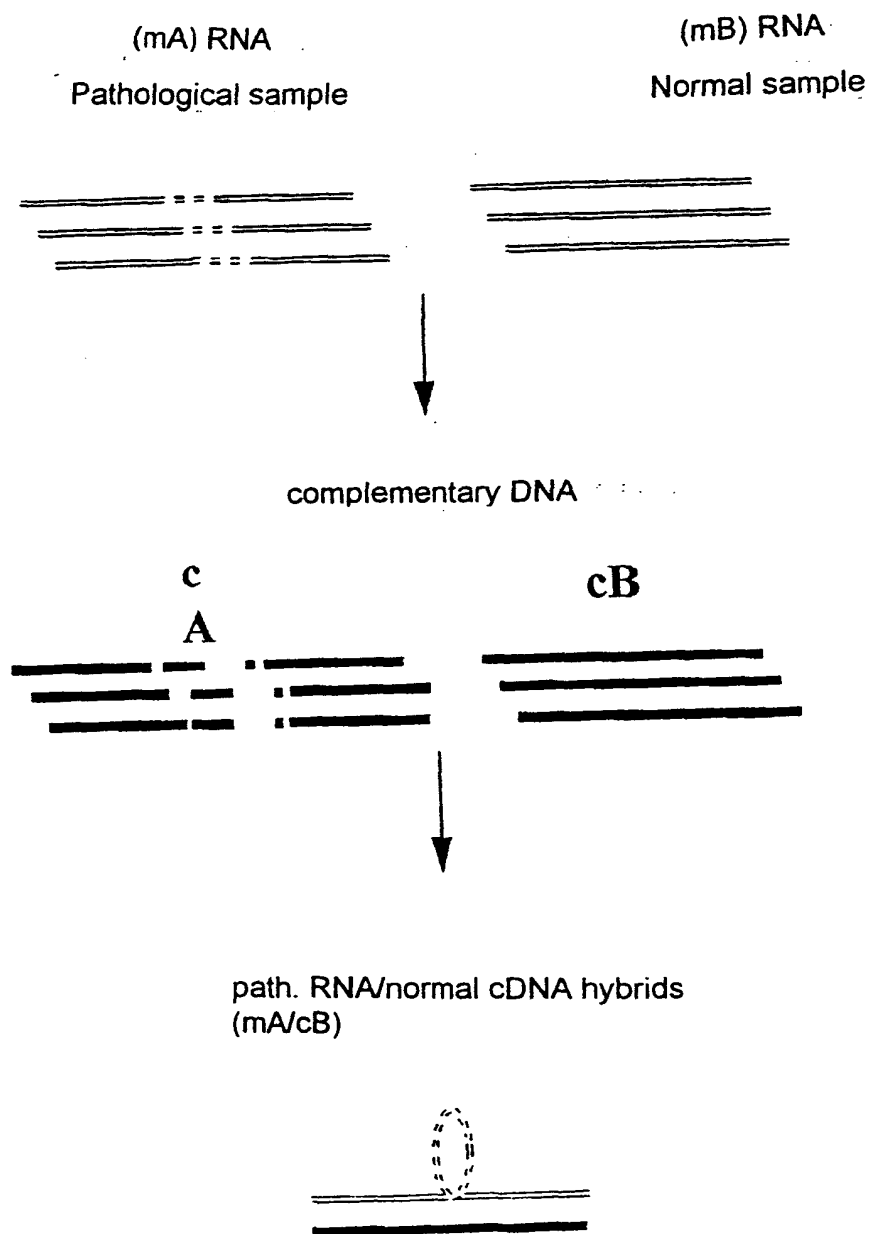


FIGURE 1D

5/26

**FIGURE 2**

6/26

path. RNA/normal cDNA hybrids



non spliced sequences after RNase H digestion

=====

desired sequence which is 5'- and 3'-
labelled by two oligonucleotides

[||||]===== [|||||]



PCR-amplified fragment

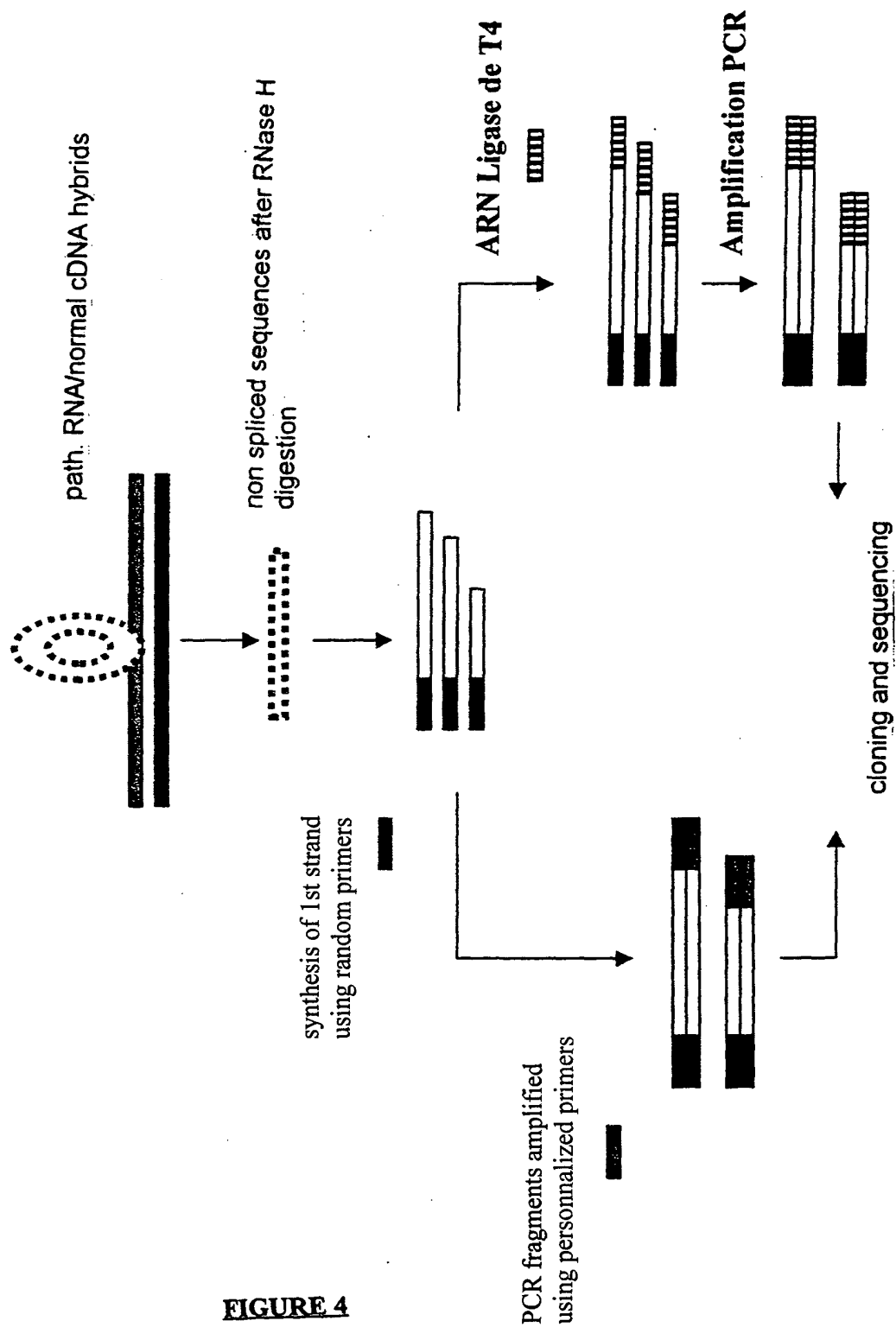
[||||]— [|||||]



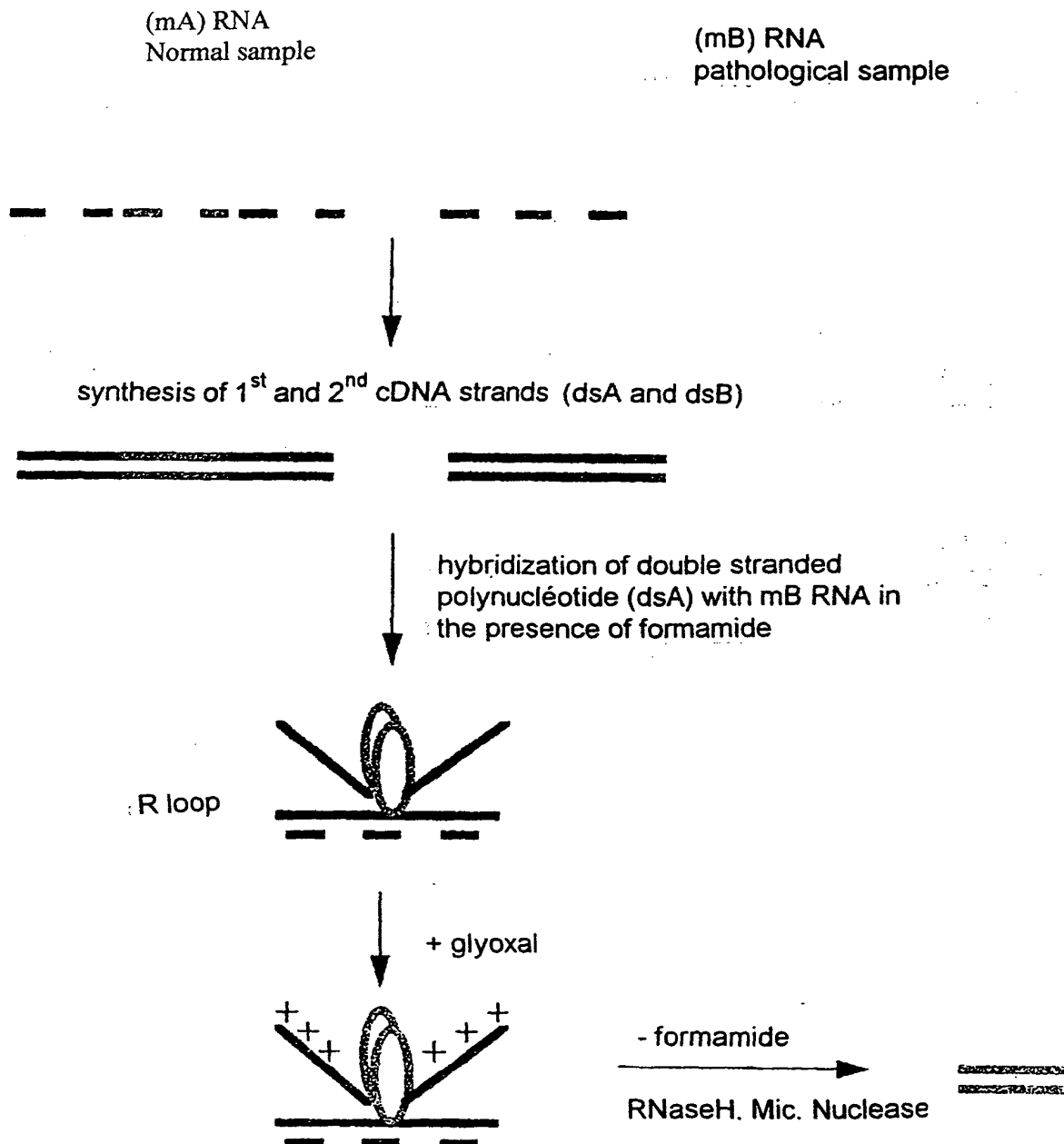
cloning and sequencing

FIGURE 3

7/26

**FIGURE 4**

8/26

**FIGURE 5**

9/26

A

B

Conditions A and B
of cDNA

mRNA

1st strands of cDNA
in conditions A and B

2nd strand of cDNA in A

Hybridization of the 2 strands of A
with the 1st strand of B

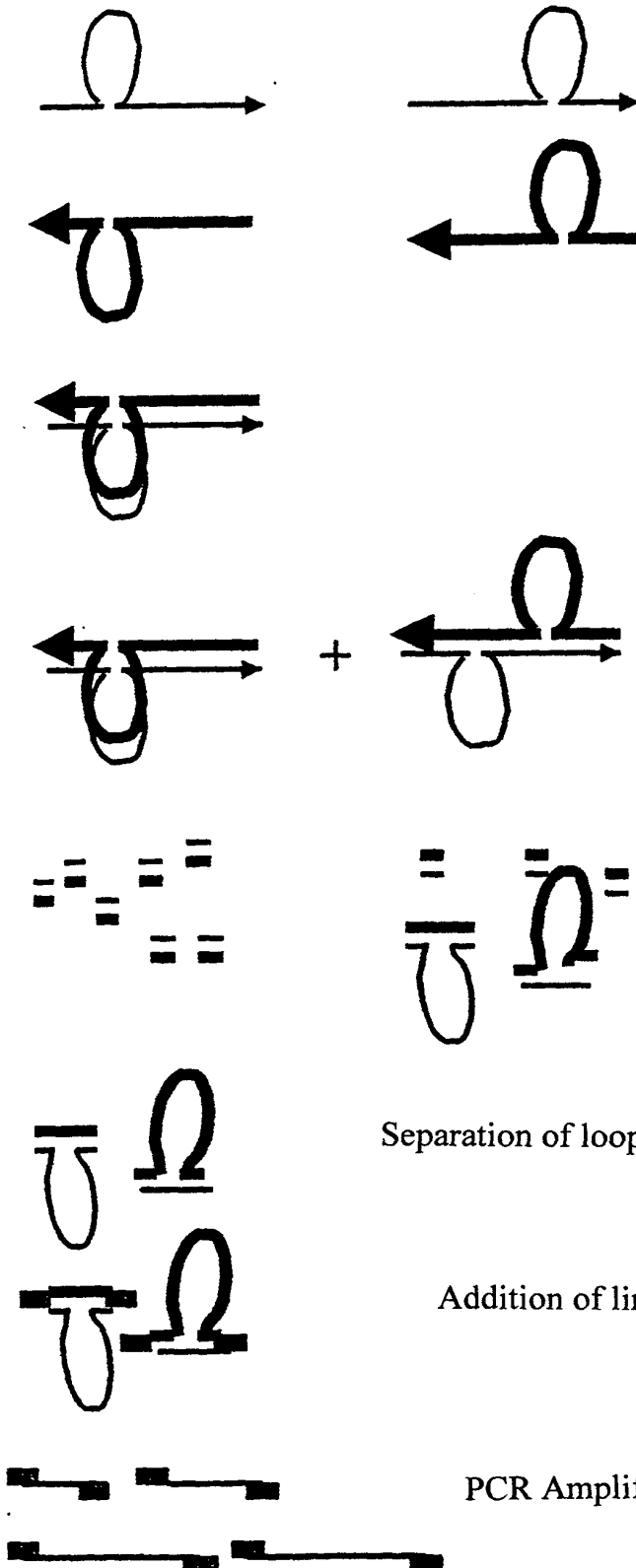
Digestion with *Sau3A*I

Separation of loops engaged into duplex

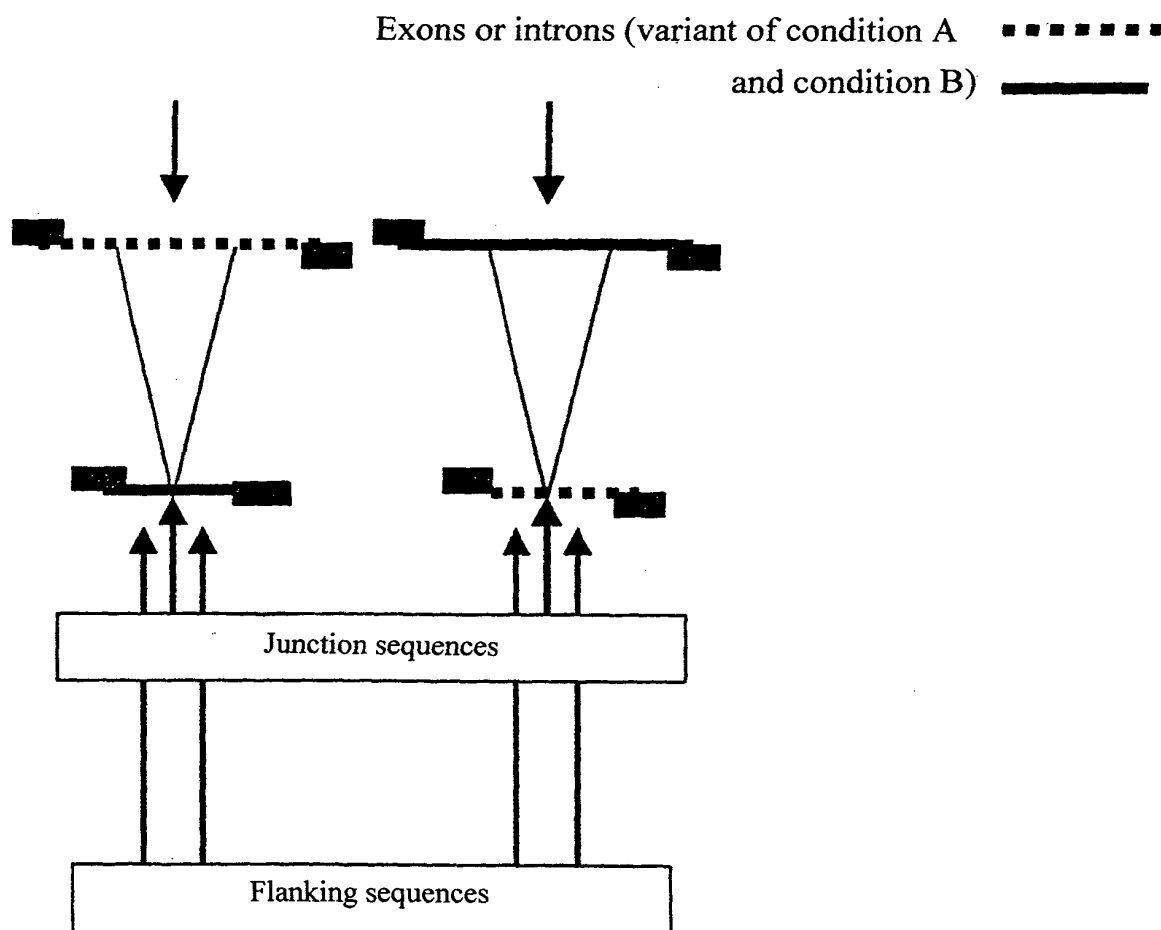
Addition of linkers to the sites *Sau3A*I

PCR Amplification and cloning

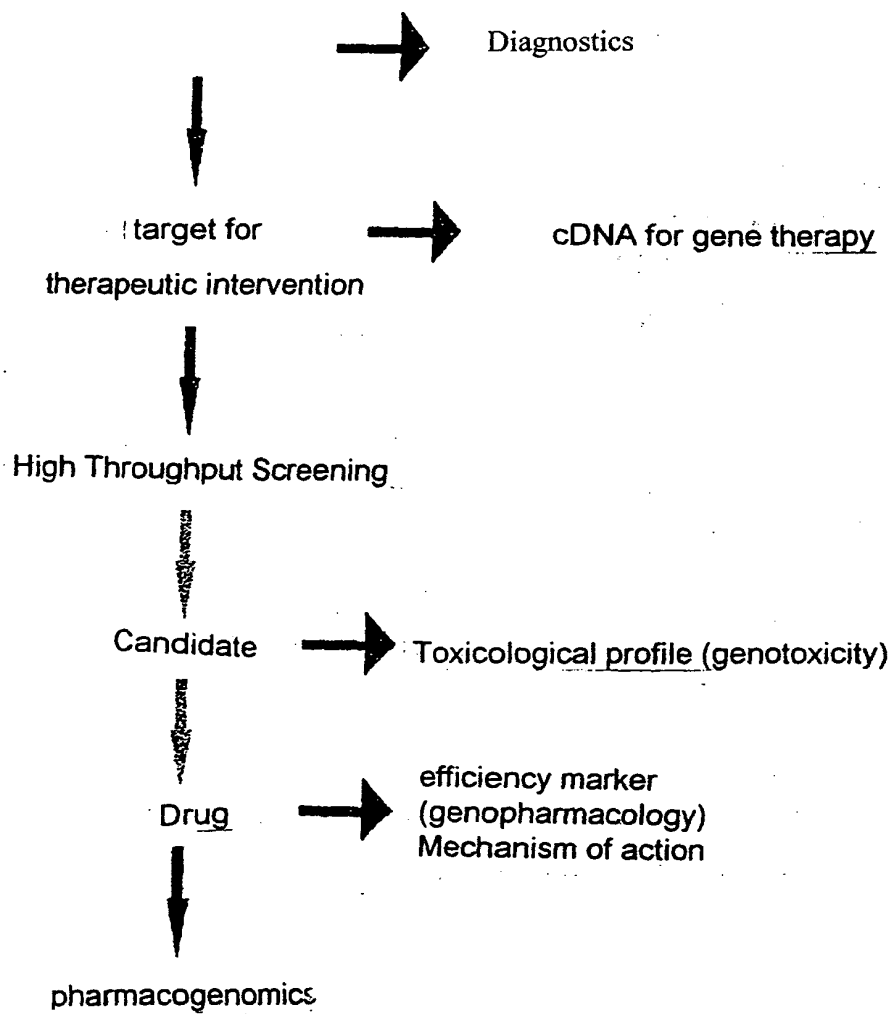
FIGURE 6A



10/26

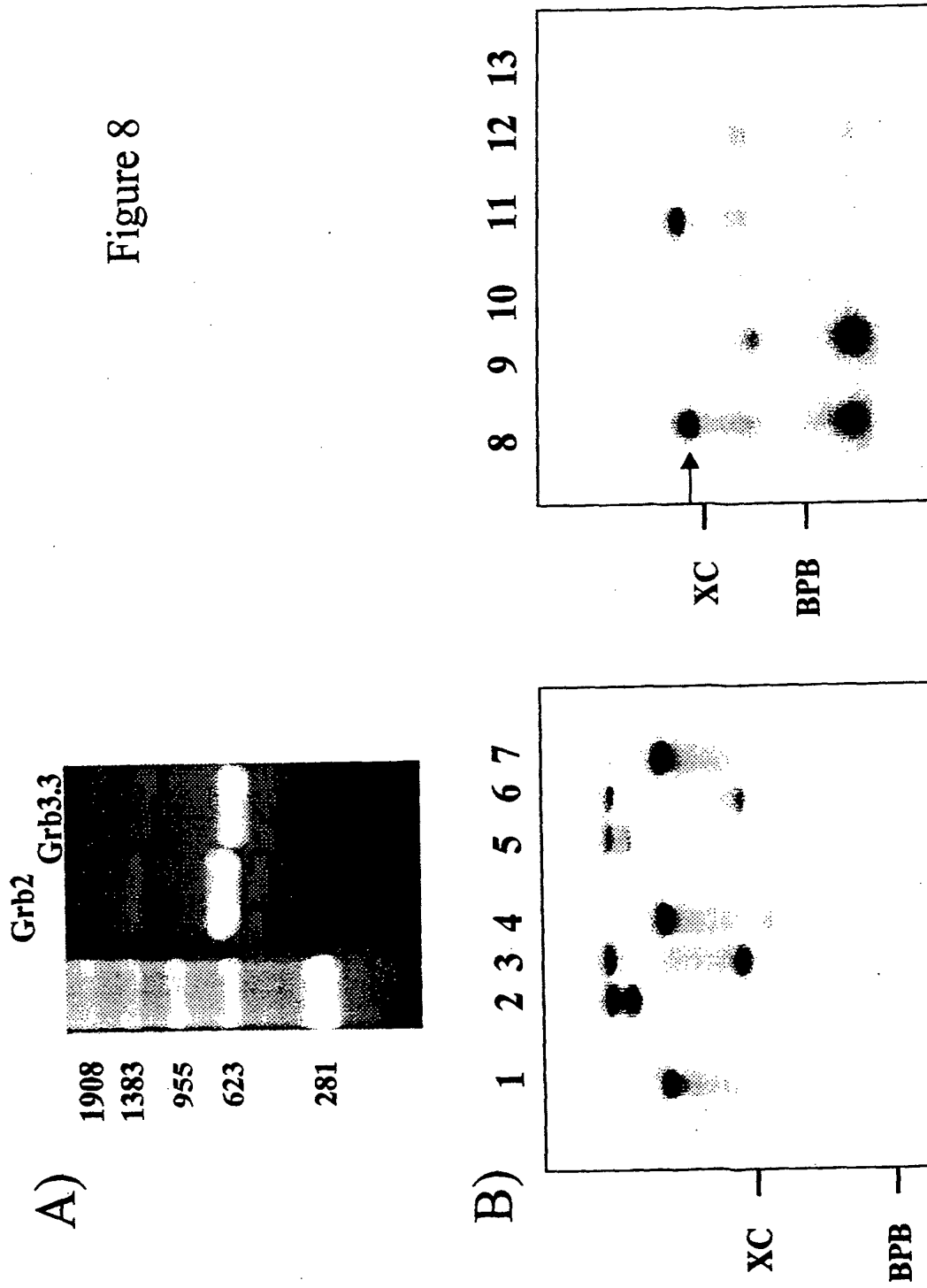
**FIGURE 6B**

11/26

**FIGURE 7**

12/26

Figure 8



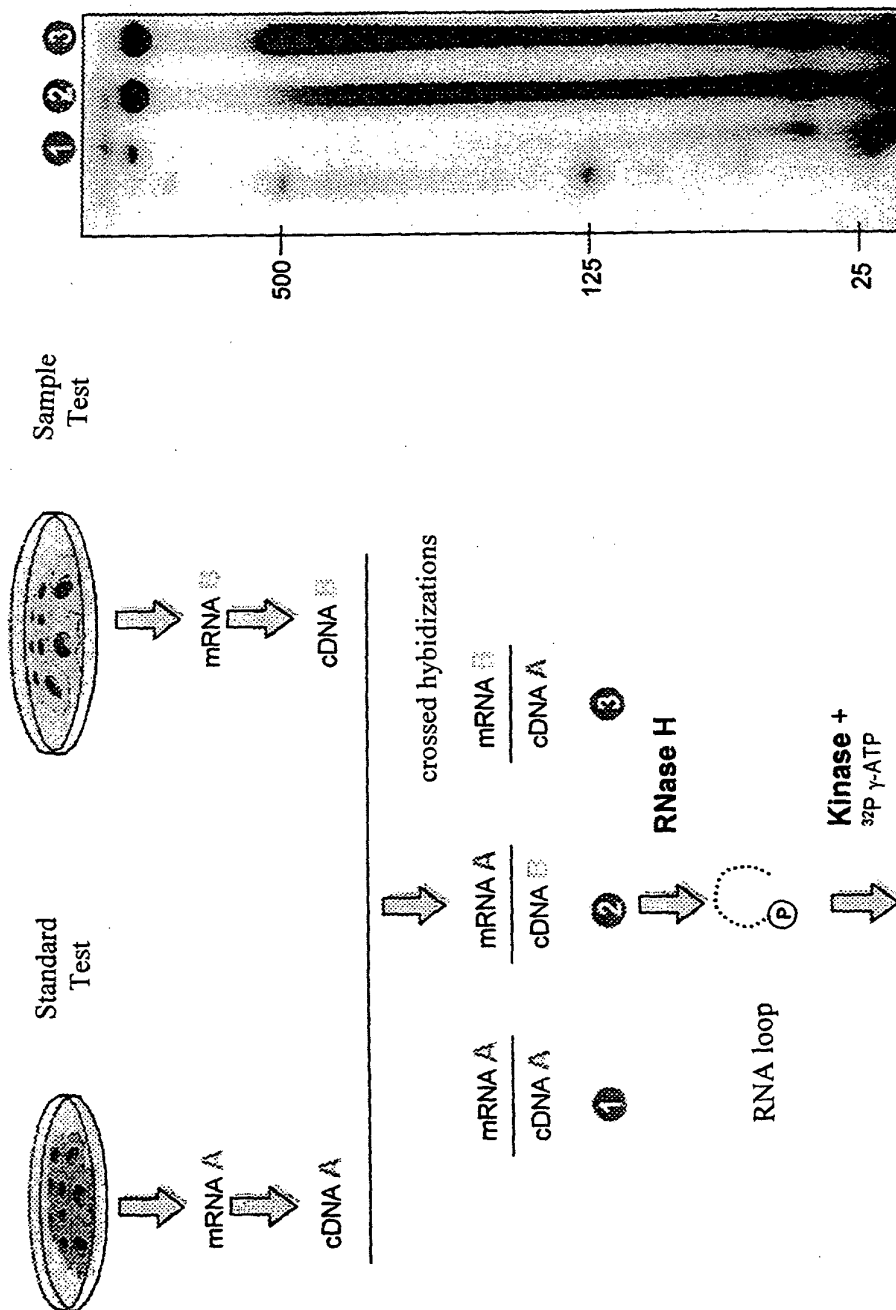


Figure 9

14/26

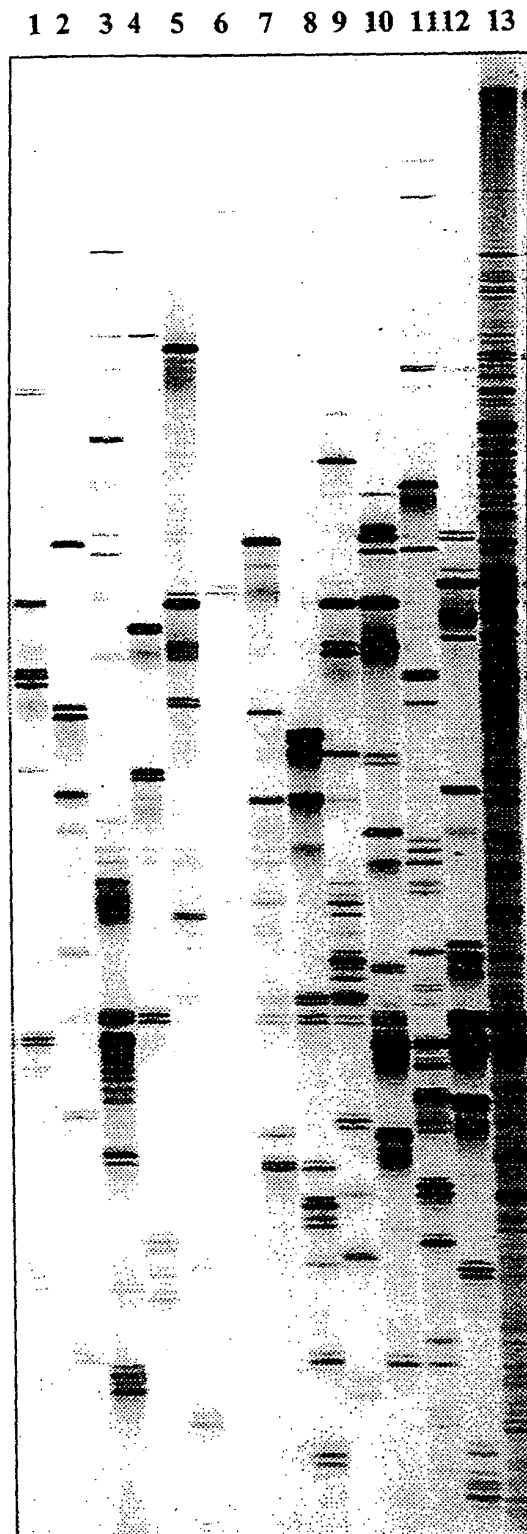
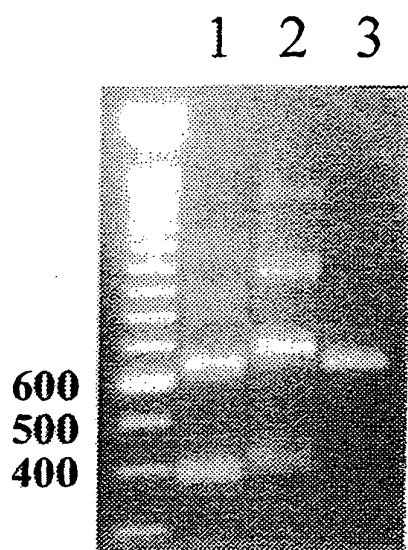


Figure 10

15/26

A)



B)

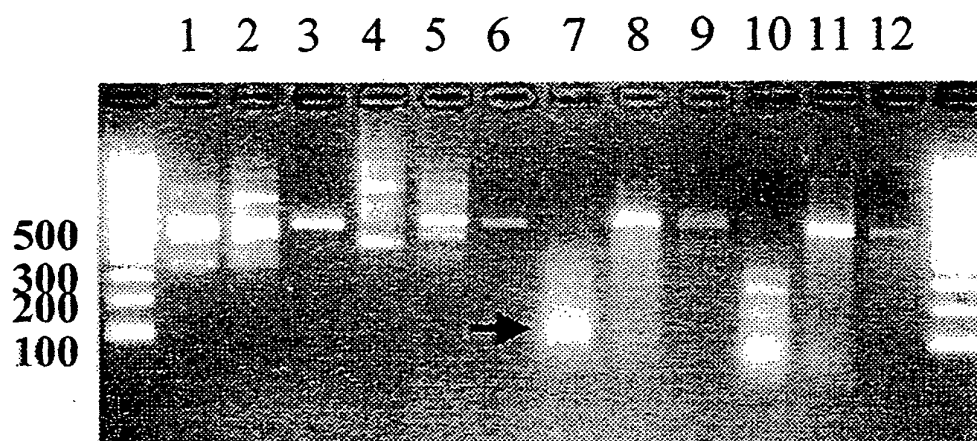


Figure 11

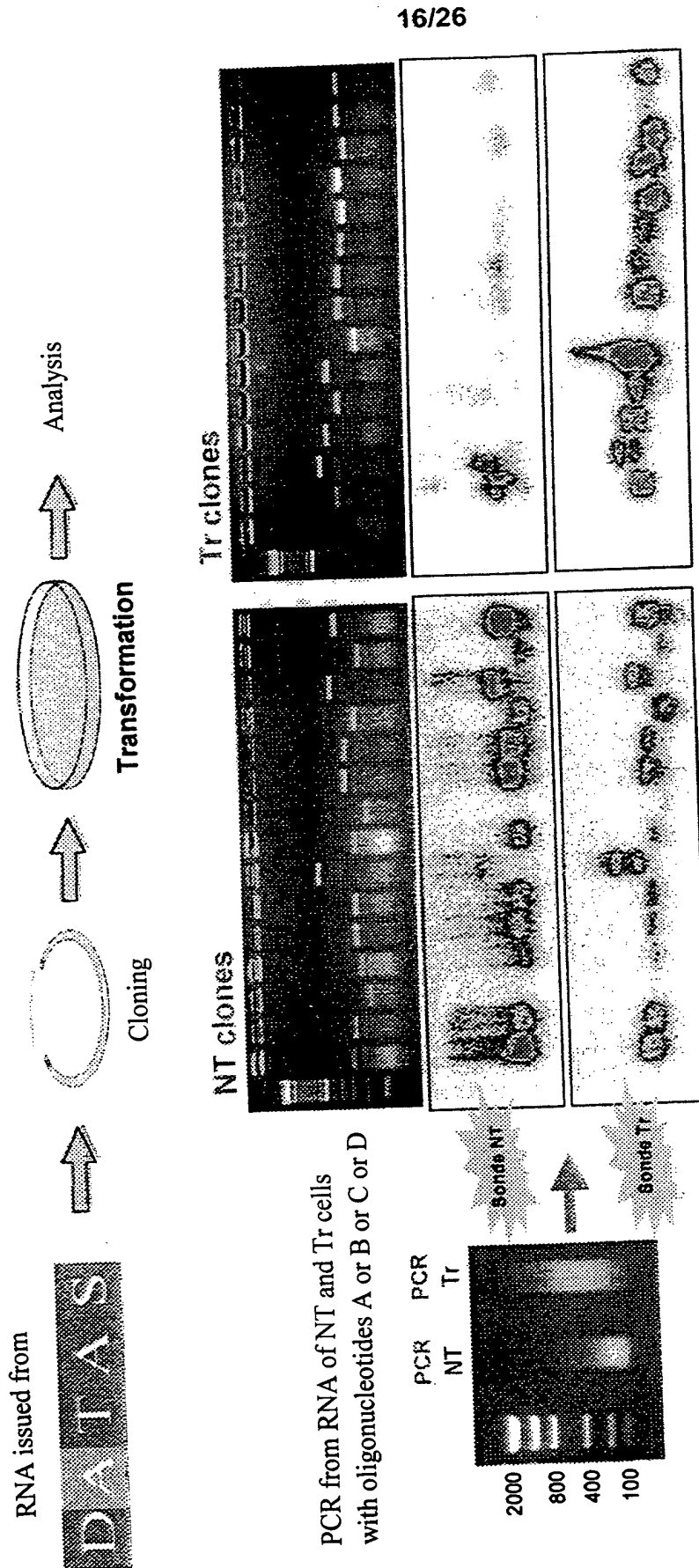
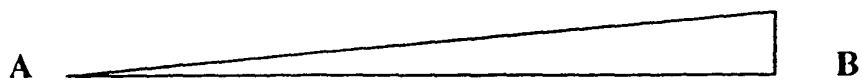
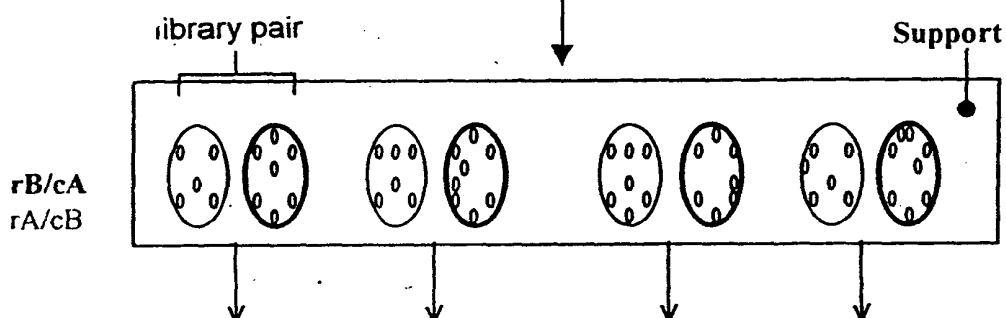


Figure 12

17/26



Construction of qualitative differential libraries corresponding to different dots of toxicity abacus-like charts



Hybridization with probes derived from the model treated by different products

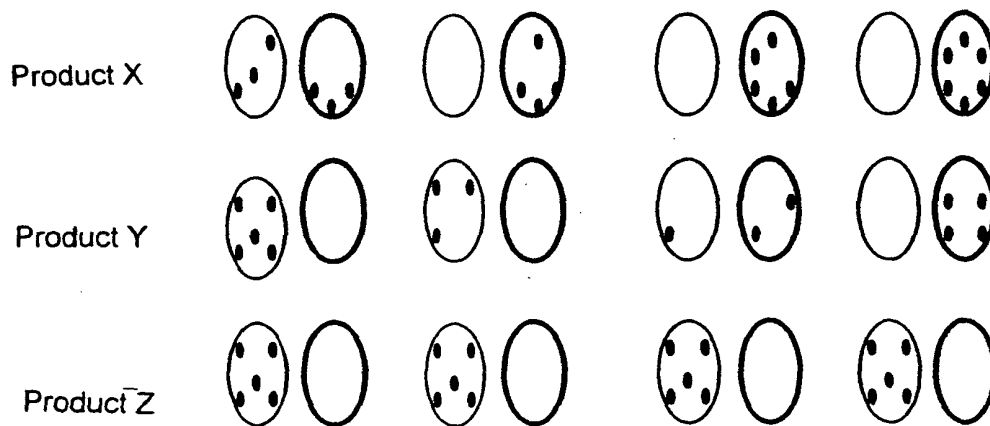
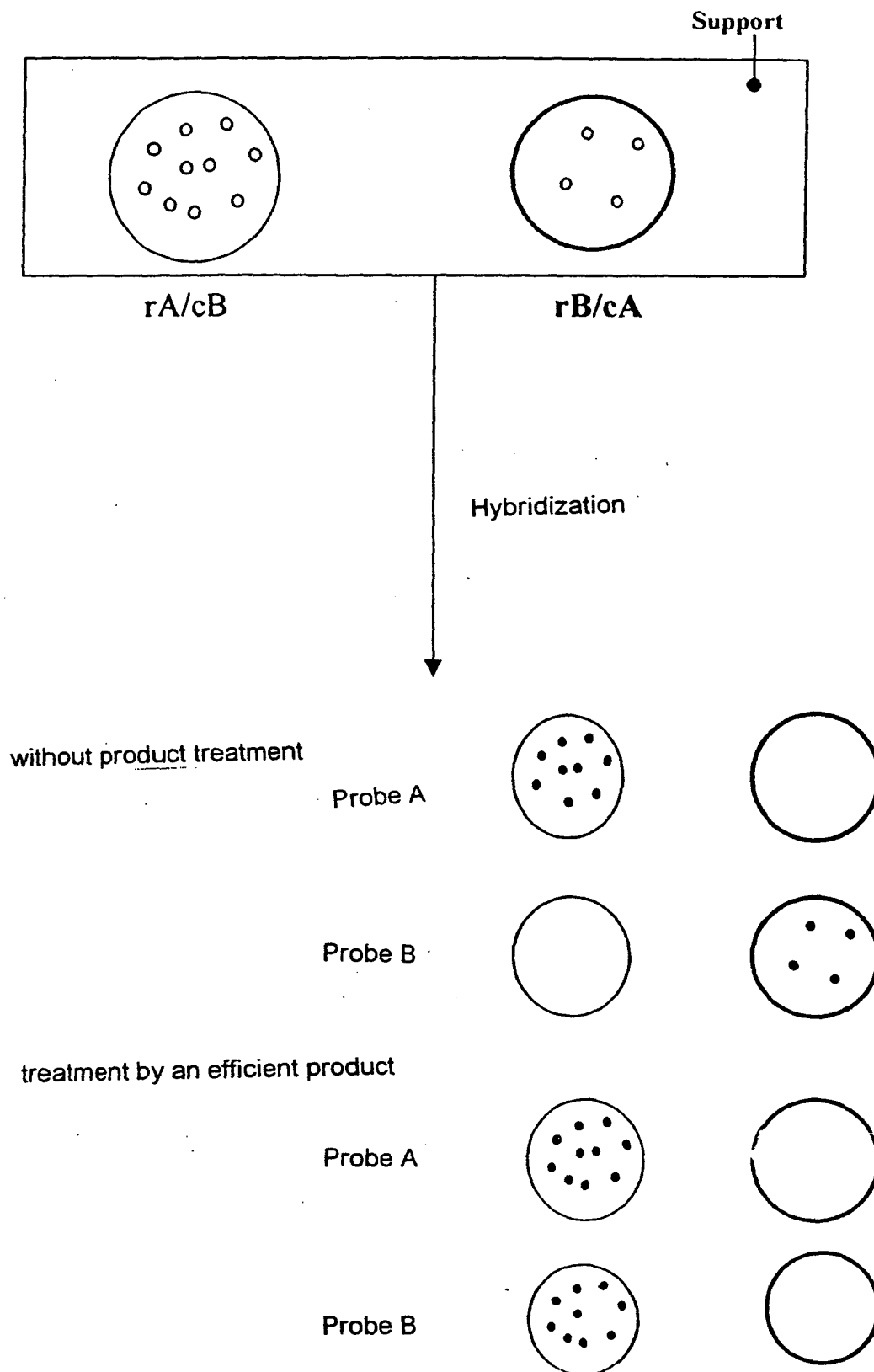


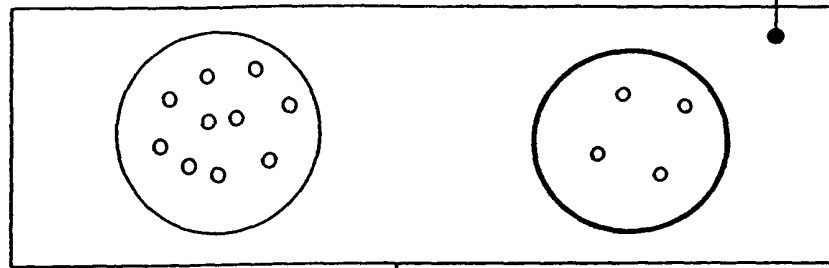
FIGURE 13

18/26

**FIGURE 14**

19/26

Support



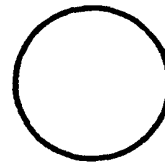
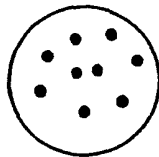
rA/cB

rB/cA

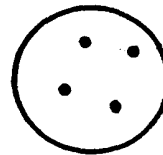
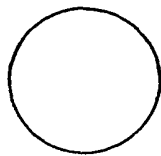
Hybridization



responder-derived biopsy samples



unresponder-derived biopsy samples

**FIGURE 15**

09/623828 19/26

09/623828

20/26

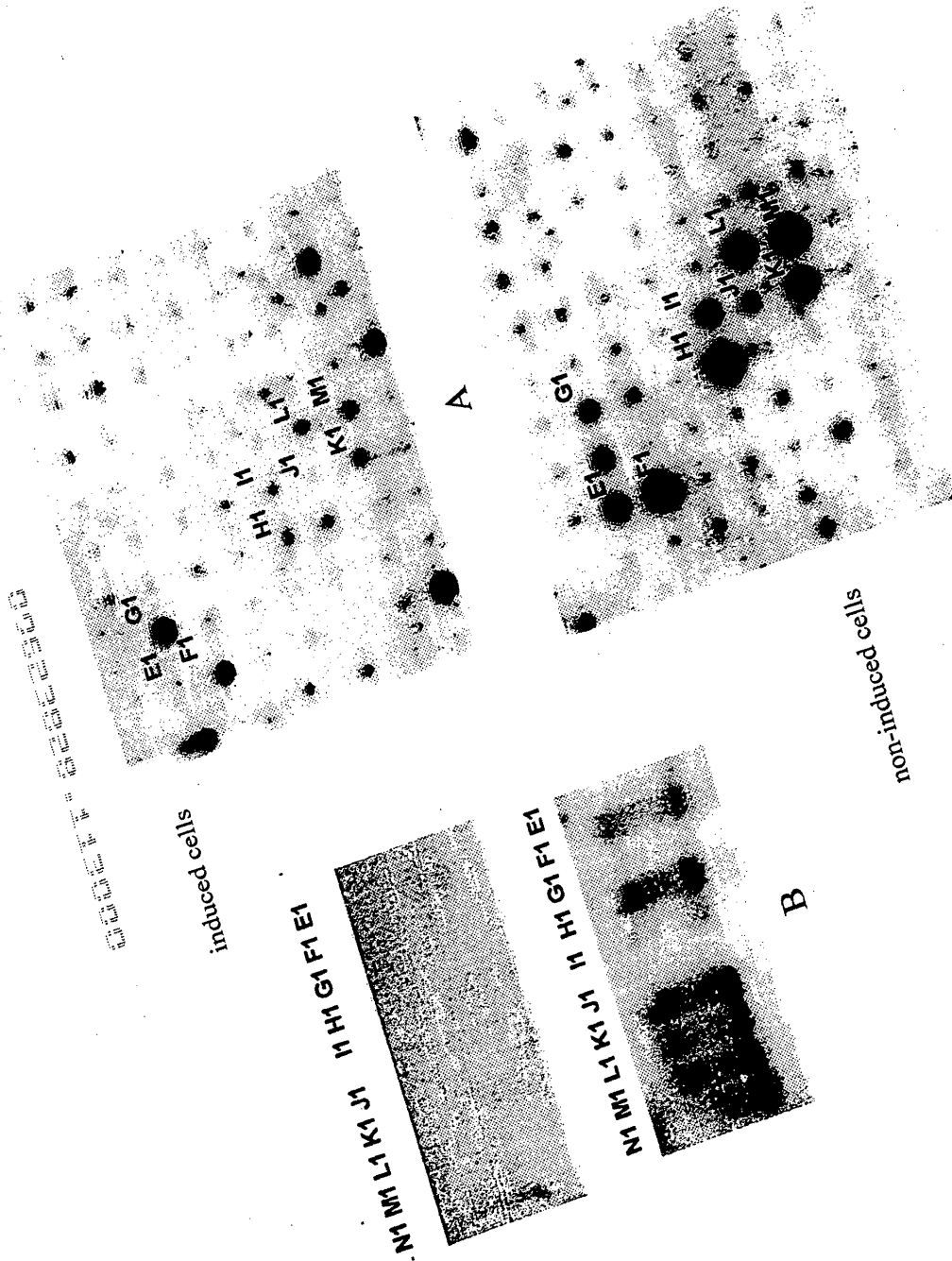


Figure 16

Peptidic Sequence of Δ SHC (SEQ ID NO: 9)

1
 MNKLSGGGGR RTRVEGGQLG GEEWTRHGSF VNKPTRGWLH PNDKVMGPGV
 SYLVRYMGCV EVLQSMRALD FNTRTQVTRE AISLVCEAVP GAKGATRRRK
 PCSRPLSSIL GRSNLKFAGM PITLTVSTSS LNLMAADCKQ IIANHHMQSI
 SFASGGDPDT AEYVAYVAKD PVNQ RACHIL ECPEGLAQDV ISTIGQAFEL
 RFKQYLRNPP KLVTPHDRMA GFDGSAWDEE EEEPPDHQYY NDFPGKEPPL
 GGVVDMRLRE GAAPGAARPT APNAQTPSHL GATLPVGQPV GGDPEVRKQM
 PPPPPCPGRE LFDDPSYVNV QNLDKARQAV GGAGPPNPAI NGSAPRDLFD
 MKPFEDALRV PPPPQSVSMA EQLRGEPWFH GKLSRREA EA LLQLNGDFLV
 RTKDHRFESV SHLISYHMDN HLP IISAGSE LCLQQPVERKL

441

Nucleic Sequence of Δ SHC (SEQ ID NO: 10)

atgaacaagc	tgagtggagg	cggcggg	cgc	aggactcggg	tggaaggggg	50
ccagcttggg	ggcgaggagt	ggacccgcca	cgggagcttt	gtcaataagc		100
ccacgcgggg	ctggctgcat	cccaacgaca	aagtcattggg	acccgggggtt		150
tcctacttgg	ttcggtacat	gggttgtgtg	gaggtcctcc	agtcaatgcg		200
tgccctggac	ttcaacaccc	ggactcaggt	caccagggag	gccatcagtc		250
tggtgtgtga	ggctgtgccg	ggtgctaagg	gggcgacaag	gaggagaaag		300
ccctgtagcc	gcccgtcag	ctctatcctg	gggaggagta	acctgaaatt		350
tgctggaatg	ccaatcactc	tcaccgtctc	caccagcagc	ctcaacctca		400
tggccgcaga	ctgcaaacag	atcatcgcca	accaccacat	gcaatctatc		450
tcatttgc	at	ccggcgggga	tccggacaca	gccgagtatg	tcgcctatgt	500
tgccaaagac	cctgtgaatc	agagagcctg	ccacattctg	gagtgtcccg		550
aagggttg	c	caggatgtc	atcagcacca	ttggccaggc	cttcgagttg	600
cgcttcaa	aac	aatacctcag	gaacccaccc	aaactgggtca	cccctcatga	650
caggatgg	ct	ggctttgatg	gctcagcatg	ggatgaggag	gaggaagagc	700
cacctgacca	tcagtactat	aatgacttcc	cggggaagga	accccccttg		750
gggggggtg	g	tagacatgag	gcttcgggaa	ggagccgctc	caggggctgc	800
tcgaccact	gcacccaatg	cccagacccc	cagccacttg	ggagctacat		850
tgctgtagg	acagcctgtt	gggggagatc	cagaagtccg	caaacagatg		900

FIGURE 17A

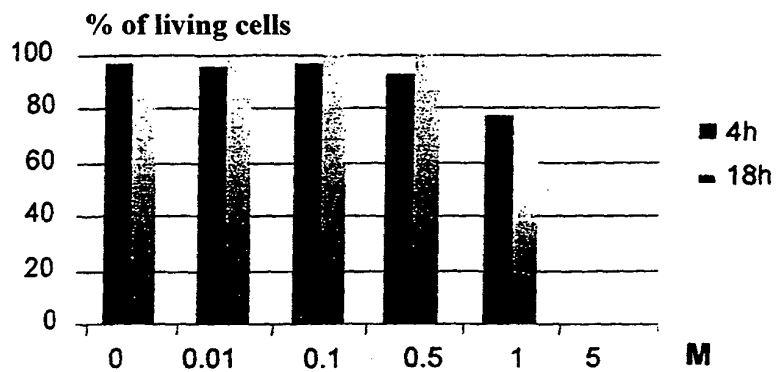
ccacctccac	cacctgtcc	aggcagagag	ctttttgatg	atccctccta	950
tgtcaacgtc	cagaacctag	acaaggcccg	gcaagcagtg	ggtggtgctg	1000
ggccccccaa	tctgtctatc	aatggcagtg	caccccggga	cctgtttgac	1050
atgaagccct	tcaagatgc	tcttcgggtg	cctccacctc	cccagtcggt	1100
gtccatggct	gagcagctcc	gaggggagcc	ctggttccat	gggaagctga	1150
gccggcggga	ggctgaggca	ctgctgcagc	tcaatgggga	cttcttggtt	1200
cggactaagg	atcacgcgtt	tgaaagtgtc	agtcacctta	tcagctacca	1250
catggacaat	cacttgccca	tcctctctgc	gggcagcgaa	ctgtgtctac	1300
agcaacctgt	ggagcggaaa	ctgtga			1326

FIGURE 17B

[illegible]

Trypan Blue

HepG2 / Ethanol



MTT Test

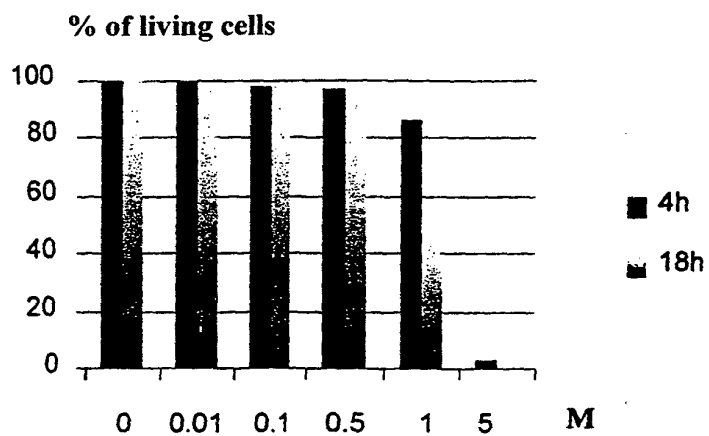
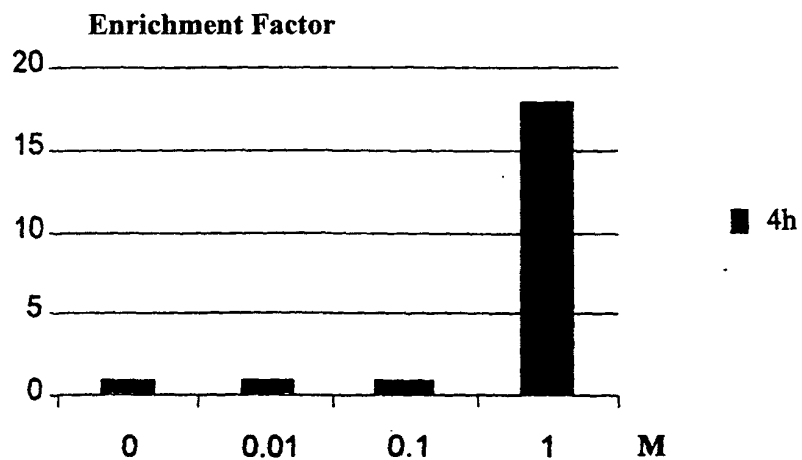


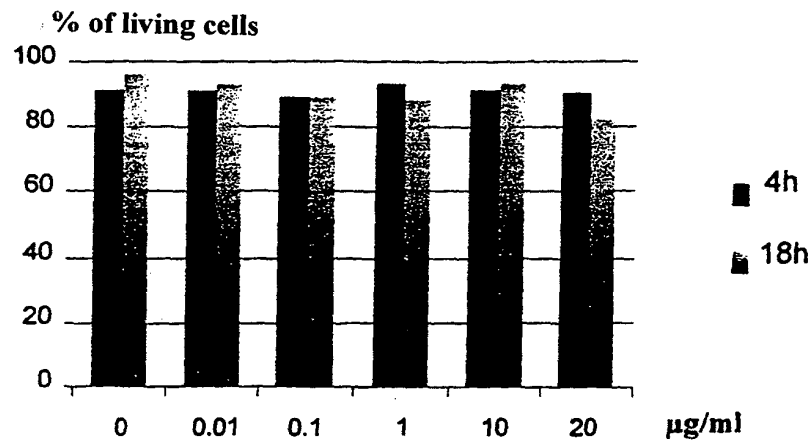
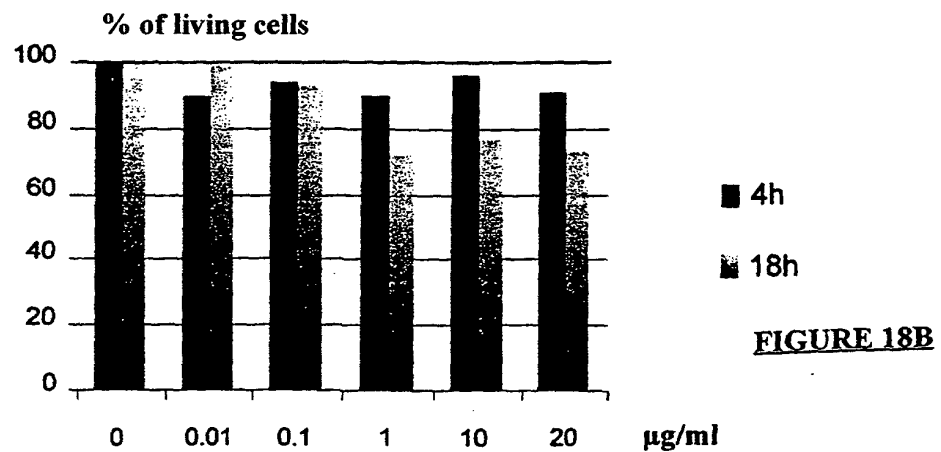
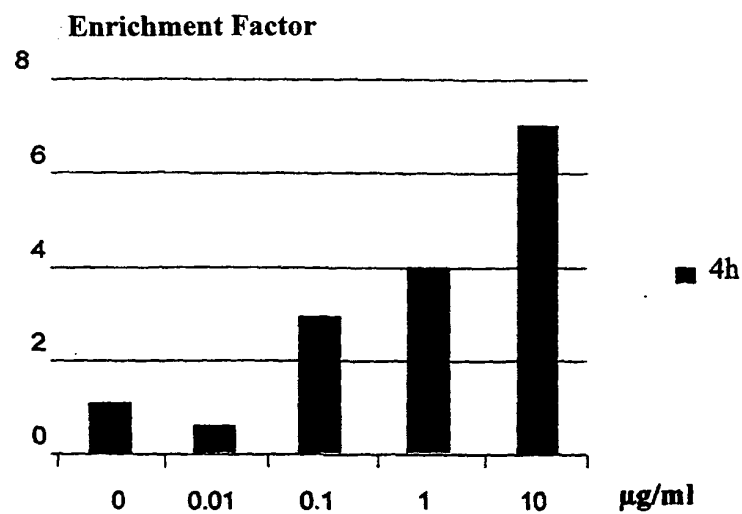
FIGURE 18A

ELISA Test - Fragmentation of DNA



24/26

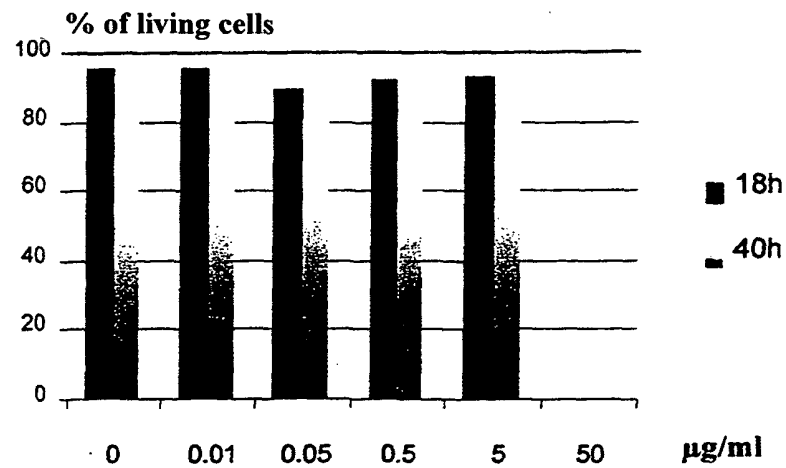
HepG2 / Camptothecin

Trypan Blue**MTT Test****ELISA Test - Fragmentation of DNA**

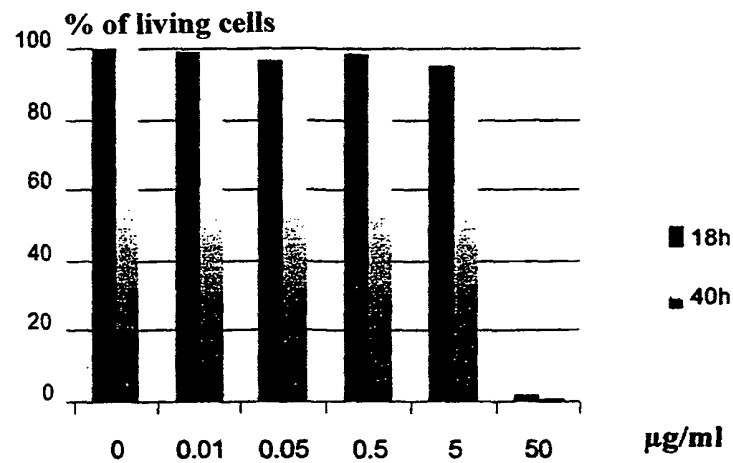
25/26

HepG2 / PMA

Trypan Blue



Test MTT



ELISA Test - Fragmentation of DNA

FIGURE 18C

